

PROJECT 10073 RECORD CARD

1. DATE 16 June 1963		2. LOCATION 28.30N 162.20W (pacific)		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other <u>Satellite ECHO I</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local _____ GMT <u>17/0631Z</u>		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Military USS Lansing			
7. LENGTH OF OBSERVATION 11 min		8. NUMBER OF OBJECTS one		9. COURSE NE(030 deg)	
10. BRIEF SUMMARY OF SIGHTING One UFO sighted at 85 deg elevation similar to 1st mag star or planet. Faded bearing 030 deg after 11 min.				11. COMMENTS ECHO Crossed equator at 0612Z heading NE at 198 deg W of meridian (162E) and would be in position for observation. Case evaluated as ECHO I.	

EQUATOR S-N		LAT.	SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES				SOUTH-NORTH				NORTH-SOUTH			
TIME (UT)	LONG. (W)		TIME CORR.	LONG. CORR.	HT. (M)	BEAR. (N-E)	TIME CORR.	LONG. CORR.	HT. (M)	BEAR. (N-E)				
JUNE 16, 1963														
1 27.1	121.92	47.4	28.7	-82.72	1088	90.0°	28.7	-82.74	1088	90.0°				
3 22.2	151.03	45.0	23.2	-80.86	1026	72.3°	34.3	-104.58	1135	107.7°				
5 17.2	180.14	40.0	18.9	-45.85	969	60.7°	38.9	-119.73	1158	119.4°				
7 12.3	209.24	35.0	15.7	-36.05	929	54.0°	42.3	-129.26	1166	126.1°				
9 7.3	238.35	30.0	13.1	-26.73	887	47.4°	45.9	-136.51	1167	130.7°				
11 2.4	267.46	20.0	8.4	-17.42	820	43.7°	50.7	-147.65	1153	136.5°				
12 27.4	296.56	0.	0.	0.	720	40.0°	60.3	-164.75	1083	140.2°				
14 22.5	325.67	-20.0	-8.1	17.49	664	43.8°	-45.6	148.94	974	136.4°				
16 17.6	354.78	-30.0	-12.4	28.89	656	49.5°	-40.7	137.68	909	130.6°				
18 12.6	383.86	-35.0	-14.0	36.28	658	54.1°	-38.0	130.35	872	126.0°				
20 7.7	412.99	-40.0	-17.6	45.98	666	60.8°	-35.0	120.72	832	119.3°				
22 32.7	82.09	-45.0	-21.4	61.32	688	72.4°	-31.0	105.43	782	107.6°				
		-47.4	-26.1	83.37	728	90.0°	-26.1	83.41	728	90.0°				
JUNE 17, 1963														
0 27.8	111.20	47.4	28.5	-82.76	1078	90.0°	28.5	-82.80	1078	90.0°				
2 22.8	140.31	45.0	23.0	-80.90	1013	72.3°	34.2	-104.63	1129	107.7°				
4 17.9	169.41	40.0	18.8	-45.68	955	60.7°	38.7	-119.77	1154	119.4°				
6 12.9	198.52	35.0	15.7	-36.07	910	54.0°	42.2	-129.30	1167	126.1°				
8 7.0	227.62	30.0	13.0	-26.74	871	47.4°	45.1	-136.55	1170	130.7°				
10 2.1	256.73	20.0	8.3	-17.43	805	43.7°	50.5	-147.70	1159	136.5°				
11 26.1	285.84	0.	0.	0.	708	40.0°	60.1	-164.78	1095	140.2°				
13 21.2	314.94	-20.0	-8.0	17.50	658	43.8°	-45.6	148.92	989	136.4°				
15 16.2	344.05	-30.0	-12.4	28.90	652	49.5°	-40.7	137.67	923	130.6°				
17 11.3	373.15	-35.0	-14.8	36.29	657	54.1°	-38.0	130.34	884	126.0°				
19 6.3	402.26	-40.0	-17.6	45.99	667	60.8°	-35.0	120.71	845	119.3°				
21 1.4	431.36	-45.0	-21.3	61.33	692	72.4°	-31.0	105.48	793	107.6°				
23 26.4	100.47	-47.4	-26.1	83.38	736	90.0°	-26.1	83.41	736	90.0°				
JUNE 18, 1963														
1 23.5	129.57	47.4	28.4	-82.81	1067	90.0°	28.4	-82.84	1067	90.0°				
3 18.5	158.67	45.0	22.9	-80.93	999	72.3°	34.0	-104.68	1122	107.7°				
5 13.6	187.78	40.0	18.6	-45.71	939	60.7°	38.5	-119.82	1152	119.4°				
7 8.6	216.89	35.0	15.6	-36.10	894	54.0°	41.9	-129.35	1166	126.1°				
9 3.7	245.99	30.0	12.9	-26.76	855	47.4°	44.9	-136.60	1172	130.7°				
10 28.7	275.09	20.0	8.3	-17.44	790	43.7°	50.3	-147.75	1166	136.5°				
12 23.8	304.20	0.	0.	0.	696	40.0°	60.0	-164.82	1108	140.2°				
14 18.8	333.30	-20.0	-8.0	17.51	651	43.8°	-45.7	148.90	1005	136.4°				
16 13.8	362.40	-30.0	-12.3	28.91	650	49.5°	-40.8	137.65	939	130.6°				
18 8.9	391.51	-35.0	-14.7	36.30	656	54.1°	-38.1	130.33	901	126.0°				
20 3.9	420.61	-40.0	-17.5	46.00	669	60.8°	-35.0	120.71	859	119.3°				
22 24.0	89.71	-45.0	-21.3	61.34	697	72.4°	-31.0	105.43	805	107.6°				
		-47.4	-26.1	83.38	745	90.0°	-26.1	83.42	745	90.0°				
JUNE 19, 1963														
0 24.0	113.62	47.4	28.2	-82.85	1055	90.0°	28.2	-82.88	1056	90.0°				
2 19.1	142.72	45.0	22.8	-80.97	985	72.3°	33.8	-104.72	1114	107.7°				
4 14.1	171.82	40.0	18.5	-45.74	924	60.7°	38.3	-119.87	1148	119.4°				
6 9.2	200.93	35.0	15.5	-36.12	878	54.0°	41.8	-129.40	1165	126.1°				
8 4.2	230.03	30.0	12.8	-26.78	840	47.4°	44.7	-136.65	1173	130.7°				
9 29.2	264.33	20.0	8.2	-17.45	775	43.8°	50.1	-147.79	1171	136.5°				
11 24.3	293.44	0.	0.	0.	686	40.0°	59.8	-164.86	1120	140.2°				
13 19.3	322.54	-20.0	-8.0	17.51	646	43.8°	-45.8	148.87	1019	136.4°				
15 14.4	351.64	-30.0	-12.3	28.92	648	49.5°	-40.9	137.63	954	130.6°				
17 9.4	380.74	-35.0	-14.7	36.31	657	54.1°	-38.1	130.32	916	126.0°				
19 4.4	409.85	-40.0	-17.5	46.00	672	60.8°	-35.1	120.70	873	119.3°				
21 29.5	78.95	-45.0	-21.3	61.35	702	72.4°	-31.0	105.42	817	107.6°				
23 24.5	108.05	-47.4	-26.1	83.38	754	90.0°	-26.1	83.42	754	90.0°				

EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES									
TIME (UT)	LONG. (W)	LAT.	TIME CORR.	LONG. CORR.	HT. (M)	BEAR. (N-E)	TIME CORR.	NORTH-SOUTH LONG. CORR.	HT. (M)	BEAR. (N-E)	
JUNE 20, 1963											
1 18.6	137.15	47.4	28.0	-82.89	1042	90.0°	28.0	-82.93	1042	90.0°	
3 14.6	166.25	45.0	22.6	-81.00	969	72.3°	33.6	-104.77	1104	107.7°	
5 9.6	195.36	40.0	18.4	-45.77	907	60.7°	38.1	-119.93	1142	119.4°	
7 4.7	224.46	35.0	15.4	-36.15	861	54.0°	41.5	-129.46	1162	126.1°	
8 28.7	253.56	30.0	12.8	-26.80	823	49.4°	44.5	-136.71	1172	130.7°	
10 24.8	282.66	20.0	8.2	-17.47	760	43.8°	49.9	-147.85	1176	136.5°	
12 40.8	311.76	0.	0.	0.	675	40.0°	59.6	-164.91	1132	140.2°	
14 44.8	340.86	-20.0	-8.0	17.52	641	43.8°	-46.0	148.84	1036	136.4°	
16 38.9	369.96	-30.0	-12.3	28.93	647	49.5°	-40.9	137.61	970	130.6°	
18 34.9	399.06	-35.0	-14.7	36.32	658	54.1°	-38.2	130.30	932	126.0°	
20 29.9	68.17	-40.0	-17.5	46.01	676	60.8°	-35.1	120.69	888	119.3°	
22 25.0	97.27	-45.0	-21.3	61.35	710	72.4°	-31.0	105.42	831	107.7°	
		-47.4	-26.1	83.38	765	90.0°	-26.1	83.42	765	90.0°	
JUNE 21, 1963											
0 20.0	126.87	47.4	27.9	-82.93	1029	90.0°	27.9	-82.97	1029	90.0°	
2 15.0	155.97	45.0	22.5	-81.04	954	72.3°	33.4	-104.82	1095	107.7°	
4 10.1	184.57	40.0	18.3	-45.80	891	60.7°	37.9	-119.98	1136	119.4°	
6 5.1	213.67	35.0	15.3	-36.17	846	54.0°	41.3	-129.51	1158	126.1°	
8 0.1	242.77	30.0	12.7	-26.82	808	49.5°	44.3	-136.76	1171	130.7°	
9 25.2	271.87	20.0	8.1	-17.48	744	43.8°	49.7	-147.90	1174	136.5°	
11 30.2	300.97	0.	0.	0.	665	40.0°	59.5	-164.96	1143	140.2°	
13 46.2	330.07	-20.0	-7.9	17.52	638	43.8°	-46.1	148.81	1050	136.4°	
15 40.3	359.17	-30.0	-12.2	28.93	647	49.5°	-41.0	137.59	986	130.6°	
17 35.3	388.27	-35.0	-14.7	36.33	640	54.1°	-38.3	130.28	948	126.0°	
19 30.3	57.37	-40.0	-17.4	46.02	680	60.8°	-35.2	120.67	903	119.3°	
21 25.3	86.47	-45.0	-21.2	61.35	717	72.4°	-31.1	105.41	844	107.7°	
23 20.4	115.57	-47.4	-26.1	83.38	775	90.0°	-26.1	83.42	775	90.0°	
JUNE 22, 1963											
1 15.4	144.67	47.4	27.7	-82.98	1014	90.0°	27.7	-83.01	1015	90.0°	
3 10.4	173.77	45.0	22.3	-81.07	937	72.3°	33.2	-104.87	1083	107.7°	
5 5.4	202.88	40.0	18.2	-45.82	874	60.7°	37.7	-120.03	1128	119.4°	
7 0.5	231.98	35.0	15.2	-36.19	829	54.0°	41.1	-129.57	1153	126.1°	
8 25.5	261.08	30.0	12.6	-26.84	791	49.5°	44.1	-136.82	1169	130.7°	
10 20.5	290.18	20.0	8.1	-17.49	731	43.8°	49.4	-147.94	1162	136.5°	
12 45.6	319.28	0.	0.	0.	655	40.1	59.3	-165.01	1154	140.3°	
14 40.6	348.38	-20.0	-7.9	17.53	635	43.8°	-46.2	148.77	1066	136.4°	
16 35.6	377.48	-30.0	-12.2	28.94	648	49.5°	-41.2	137.56	1003	130.6°	
18 30.6	46.56	-35.0	-14.6	36.33	663	54.1°	-38.4	130.26	964	126.0°	
20 25.7	75.65	-40.0	-17.4	46.02	685	60.8°	-35.3	120.65	919	119.3°	
22 20.7	104.75	-45.0	-21.2	61.36	726	72.4°	-31.1	105.40	859	107.7°	
		-47.4	-26.1	83.38	788	90.0°	-26.1	83.41	788	90.0°	

MODIFIED ORBITAL ELEMENTS FOR EARTH SATELLITE 1960 IOTA 1

REFERENCE TIME 1963 Y 6 M 8 D 1 M 17.66 M UT
 INCLINATION 47.24 DEG.
 ASCENDING NODE (LONG.) 85.26 DEG. WEST
 PRIME SWEEP INTERVAL ONE DAY -14.93 MIN.
 ARGUMENT OF PERIGEE 288.04 DEG.
 RATE OF CHANGE 0.27099 DEG. PER PERIOD
 ANOMALISTIC PERIOD 115.187 MIN.
 RATE OF CHANGE -0.00046 MIN. PER PERIOD
 ECCENTRICITY 0.04747
 RADIUS OF PERIGEE 4641.1 MILES
 RADIUS OF APOGEE 5103.7 MILES
 RATE OF CHANGE -0.32 MILES PER DAY
 ASCENDING NODE (N.A.) 189.69 DEG.
 RATE OF CHANGE -3.29820 DEG. PER DAY
 LATITUDE OF PERIGEE -44.77 DEG.
 READ-IN EXPECTED MAG. 41

U.S. AIR FORCE TECHNICAL INFORMATION SHEET
(SUMMARY DATA)

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the event that you observed. You may repeat information that you have already given in the questionnaire, and add any further comments, statements, or sketches that you believe are important. Try to present the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.

NAME

(Please Print)

(Do Not Write in This Space)

CODE:

SIGNATURE

DATE

17 June 1963

326 Air Division KUNIA facility Hawaii reported that
USS Lansing D.R. spotted one unidentified flying object
at 28-30N/162-20W - 17/0631Z to 17/0642Z initial
positive angle 85° sextant alt. 05-21.3 faded bearing
030 degrees - Remarks: Initial evaluation - no threat

Carl was from the Washington D.C. Command Post.
Received at 0545 EST.

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 2158 (17 Jun 63) S/INCOMING

Pg 1 of 2

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, Army-2, Navy-2, CMC-8,
JCS-35, OSD-15, CIA-11, NSA-7, DIA-25, DIA/CIIC-2

-125-

SMB C014

ZCHQA676ZCECB079

.....YY RUEAHQ

DE RUHPF B020

ZNR

Y 170855Z

FM COMBARPAC

TO RUHPHH/COMHAWSEAFRON

RUHLKM/CINCPACAF

RUAUAAH/HADD KUNIA

ZEN/CINCNORAD

INFO RUECW/CNO

RUEAHQ/COFS USAF

RUHPA/CINCPAC

RUHPB/CINCPACFLT

RUHAFS/CINCUSARPAC

RUHLKMP/PACAFBASECOM HICKMAN

RUECW/SECNAV

NAY GRNC

BT

UNCLASD

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

SMB B014

A684ZCECA080

AF IN : 2172 (17 Jun 63) S/fej

..... YY RUEAHQ

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3,
Army-2, CMC-8, JCS-35, OSD-15,
CIA-11, NSA-7, DIA-25, DIA/CIIC-2

DE RUHPF B025

ZNR

-123-

Y 170959Z

FM COMBARPAC

TO RUHPHH/COMHAWSEAFRON

RUMLKM/CINCPACAF

RUUAUAAH/HADD KUNIA

ZEN/CINCNO AB

INFO RUECW/CNO

CMEAHQ/COFS USAF

RUHPA/CINCPAC

RUHPE/CINCPACFLT

RUHAFS/CINCUSARPAC

ASUSRTKMP/KR AFBA YCOM ZRCKMAN

RUECW/SECNAV

NAVY GRNC

BT

UNCLAS.

A. JANAP 146D

1. MERINT EVALUATION. MY 170855Z

2. COLOR SIMILAR TO PLANET VEFUS AVAILABLE FOR
COMPARISON AT TOS. APPARENT SPEED SLOW. UNABLE
TO DETERMINE ALTITUDE

3. EVALUATION. UNIDENTIFIABLE

BT NOTE: Adv cys delivered to NIN, DIA & XOPX.

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 2158 (17 Jun 63)

Pg 2 of 2

A. JANAP 146D

1. MERINT

2. USS LANSING DER 388

3. UFQ ONE. INITIALLY SIGHTED POSIT ANGLE 85. FADED BEARING
030 SEXTANT ALTITUDE 05-21.3., OBJECT SIMILAR IN APPEARANCE
TO FIRST MAG STAR OR PLANET.

4. 28-30N 162-20W

5. 170631Z TO 170642Z

6. UNK

7. UNK

8. UNK

9. SKY CLEAR. NO UNUSUAL WEATHER COND NOTED. SEAS 2 FEET.

BT

17/0856Z

NOTE: Adv cys delivered to XOPX, NIN & DIA.

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 2165 (17 Jun 63) S/191

Pg 1 of 2

INCOMING

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, Army-2, N-vy-2, CMC-8,
JCS-35, OSD-15, CIA-11, NSA-7, DIA-25, DIA/CIIC-2 -125-

SMB A019

ZCZCHQA677ZCQJA225

OO RUEAHQ

DE RUHLKH 3

ZNR

O 170833Z

FM 326 AIR DIV KUNIA FACILITY HAWAII

TO RUHLKM/PACAF HICKAM AFB HAWAII

RUHPHH/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAHQ/CSAF USAF WASH DC

RUECW/CNO WASH DC

RUECW/SECNAV WASH DC

RUWGALB/C INCNORAD ENT AFB COLO

RUHPA/C INCPAC CAMP H M SMITH HAWAII

RUHAFS/C INCUSARPAC FT SHAFTER HAWAII

RUHPB/C INCPACFLT PEARL HARBOR HAWAII

RUUAUZ/COMUSJAPAN FUCHU AS JAPAN

RUAMC/COMUSKOREA SEOUL KOREA

RUAGFL/COMUSTDC TAIPEI TAIWAN

RUCSBRB/CINCSAC OFFUTT AFB NEBR

AF GRNC

BT

UNCLAS/MERINT REPORT

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

NNNN

AF IN : 2165 (17 Jun 63)

Pg 2 of 2

1. MERINT
2. USS LANSING D.R.
3. 1-UFO
4. 28.30 NORTH, 162.20 WEST
5. 17/0631Z TO 17/0642Z
6. INITIAL POSITIVE ANGLE 85 DEG-SEXTANT ALT 05-21.3
7. FADED BEARING 030 DEG
8. SUNK
9. UNK
10. UNK

REMARKS: EVALUATION NO THREAT

BT

17/0838Z JUN RUHLKH

NOTE: Advanced copies to XOPX, NIN & DIA

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 2174 (17 Jun 63) **INCOMING**

Page 1 of 2

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, ARMY-2, CMC-8, JCS-35,
OSD-15, CIA-11, NSA-7, DIA-25, DIA-CIIC-2 (123)

SMB A025

HQA683ZCQJA229

OO RUEAHQ

DE RUHLKH 4

ZNR

O 170913Z

FM 326 AIR DIV KUNIA FACILITY HAWAII

TO RUHLKM/PACAF HICKAM AFB HAWAII

RUHPHH/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAHQ/CSAF USAF WASH DC

RUECW/CNO WASH DC

RUECW/SECNAV WASH DC

RUWGALB/C INCNORAD ENT AFB COLO

RUHPA/CINCPAC CAMP H M SMITH HAWAII

RUHAFS/CINCUSARPAC FT SHAFTER HAWAII

RUHPB/CINCPACFLT PEARL HARBOR HAWAII

RUUAUZ/COMUSJAPAN FUCHU AS JAPAN

RUJAMC/COMUSKOREA SEOUL KOREA

RUAGFL/COMUSTDC TAIPEI TAIWAN

RUCSBRB/CINCSAC OFFUTT AFB NEBR

AF GRNC

BT

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

NNNN

Page 2 of 2

AF IN : 2174 (17 Jun 63)

UNCLAS/MERINT AMPLIFY REPORT/17/0905Z

1. MERINT AMPLIFY
2. USS LANSING
3. ONE OBJECT SIMILAIR IN APPEARANCE TO FIRST MAG STAR OR
PLANET
4. 28.30N-162.20W
5. 17/0631Z TO 17/0642Z
6. UNK
7. UNK
8. UNK
9. SKY CLEAR NO UNUSUAL WEATHER CONDITION-SEAS TWO FEET

REMARKS: EVALUATED NO THREAT

BT

NOTE: Advance copy delivered to XOPX, NIN & DIA.
17/0921Z JUN RUHLKH